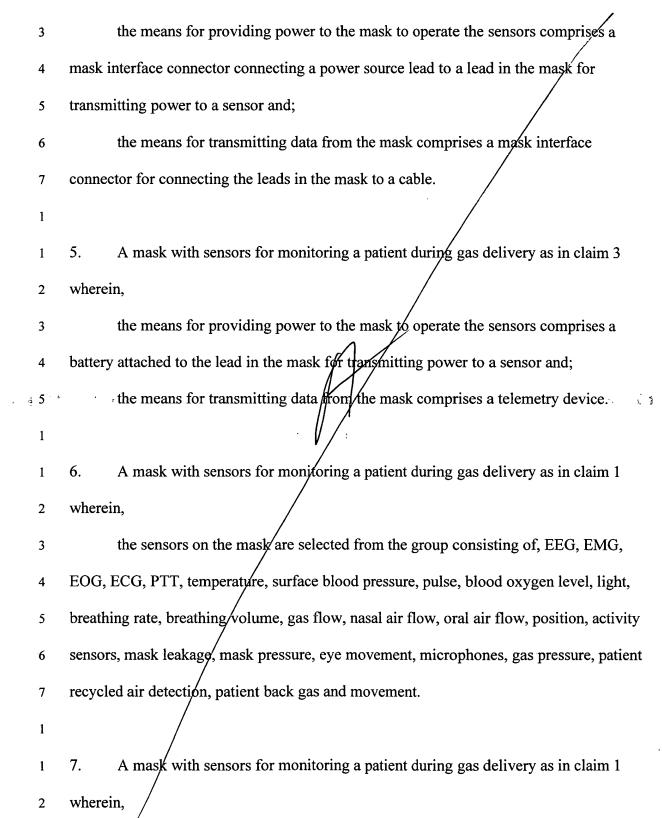
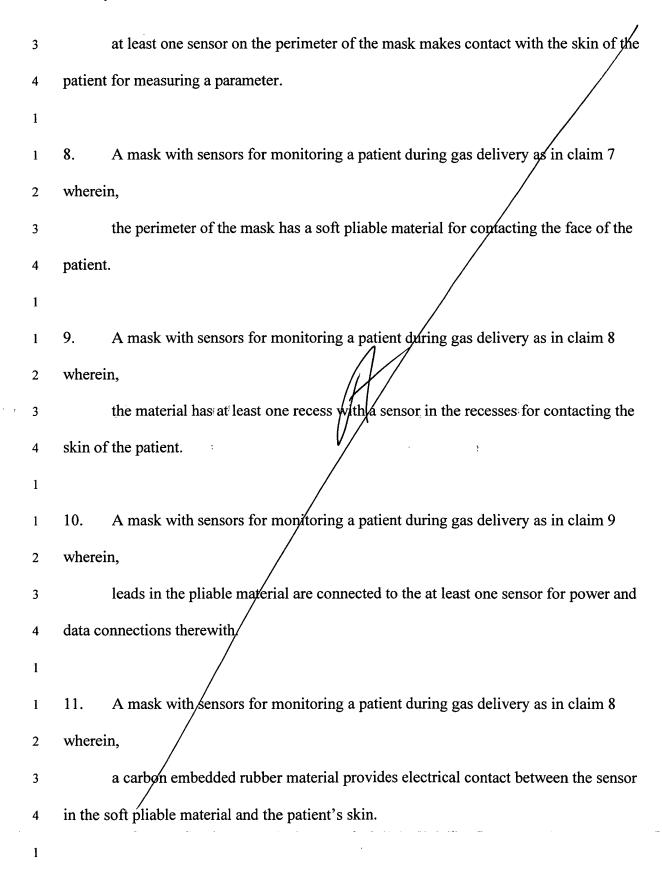


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1	1.	A mask with sensors for monitoring a patient during gas delivery comprising:
2		a mask having a perimeter for contacting the face of a patient,
3		at least one sensor on the mask to sense at least one parameter indicating a state of
4	the pat	tient,
5		leads in the mask connected to the at least one sensor for transmission of data,
6		a means for transmitting data from the mask,
7		a hose connector on the mask for attachment of a hose for delivery of gas to the
8	mask.	
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1	2.	A mask with sensors for monitoring a patient during gas delivery as in claim 1
2	where	in,
3		the means for transmitting data from the mask comprises a mask interface
4	connec	ctor for connecting the leads in the mask to a cable.
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1	3.	A mask with sensors for monitoring a patient during gas delivery as in claim 1
2	compr	ising,
3		a means for providing power to the mask to operate the sensors.
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1	4.	A mask with sensors for monitoring a patient during gas delivery as in claim 3
2	where	in_



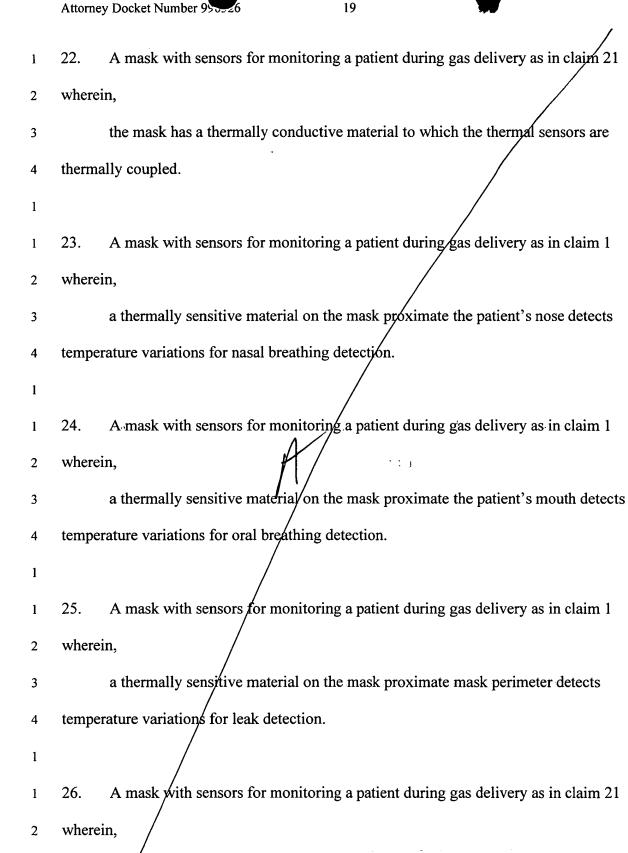


A mask with sensors for monitoring a patient during gas delivery as in claim 1 12. 1 2 wherein, the mask has at least one strap attached to the mask to hold the mask in place. 3 1 A mask with sensors for monitoring a patient during gas delivery as in claim 1 13. 1 2 wherein, 3 the mask has at least one strap attached to the mask to hold the mask in place and the strap has at least one sensor wired to the mask for monitoring the patient. 4 1 A mask with sensors for monitoring a patient during gas delivery as in claim 1 14. 2 wherein, the mask has a cap attached to the mask to hold the mask in place. 3 1 1 A mask with sensors for monitoring a patient during gas delivery as in claim 1 1 15. wherein, 2 the mask has a cap with at least one sensor attached to the cap, the sensor leads on 3 the cap connected to the leads in the mask for monitoring the patient. 4 1 16. A mask with sensors for monitoring a patient during gas delivery as in claim 13 1 wherein, 2 the strap includes a chin strap. 3

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A mask with sensors for monitoring a patient during gas delivery as in claim 1 1 17. 2 wherein, at least one sensor in the chin strap for measuring chin EMG 3 1 A mask with sensors for monitoring a patient during gas delivery as in claim 13 18. 1 2 wherein, the straps include a head strap having a sensor for measuring EEG. 3 1 19. A mask with sensors for monitoring a patient during gas delivery as in claim 15 1 2 wherein, the cap includes sensor for measuring EEG. 3 1 A mask with sensors for moditoring a patient during gas delivery as in claim 13 20. 1 2 wherein, the strap includes an ear strap having an oxygen saturation sensor applied to the 3 ear of the patient. 4 1 A mask with sensors for monitoring a patient during gas delivery as in claim 1 1 21. wherein, 2 a thermal sensor on a portion of the mask detects changes in temperature on that 3 portion of the mask.



the thermally sensitive material comprises a thermistor.

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